1,020,794

PATENT SPECIFICATION 1,020,794

DRAWINGS ATTACHED.

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COMPLETE SPECIFICATION.

Improvements in or relating to Rear Vision Mirror Assemblies for Vehicles.

I, YORCK TALBOT, of 80, Ebersstrasse, Berlin-Schöneberg, Germany, a citizen of the Federal Republic of Germany, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The invention relates to rear vision mirror assemblies adapted for mounting on vehicle bodies, and consists in a rear vision mirror assembly for a vehicle, comprising a housing pivotably adjustable on a foot adapted for being mounted on the body of the vehicle, a rear vision mirror being provided at one end of the housing, an electric lamp assembly being provided at the other end of the housing for emitting light in a direction substantially opposite to the direction of rear view given by the mirror, the lamp assembly having a light-permeable cover connected by adjusting means to a member within the housing, the said member being connected to a mirror mounting member by means of which the mirror is provided at the said one end of the housing, the arrangement being such that tightening of the adjusting means effects clamping of the mirror mounting member against the said one end of the housing and simultaneously effects tightening of the light permeable cover against the other end of the housing.

It will be appreciated that the rear vision mirror assembly of the invention, in addition to enabling observation of traffic at the rear of the vehicle, also enables the travelling path of the vehicle to be illuminated or signals given, for example for indicating a desored turning direction of the vehicle.

Preferably, the adjusting means comprises a plurality of screws extending through the light permeable cover and into the housing, the screws being in threaded engagement with the said member within the housing. The said other end of the housing may be a closed end having a concavely shaped portion forming a reflector for an electric bulb of the lamp assembly.

A sealing member may be provided between the light permeable cover and the said other end of the housing. The mirror mounting member may comprise a sealing member, for example of S-shaped cross-section extending between the mirror and the said one end of the housing.

Preferably, the said member within the housing is disposed in abutting engagement with a portion of the housing and carries a tubular member an end flange of which engages the sealing member together with the mirror.

In order to make the invention clearly understood, reference will now be made to the accompanying drawings which are given by way of example and in which:—

Fig. 1 is a longitudinal sectional view of a rear vision mirror assembly; and

Fig. 2 is a fragmentary view of a detail of Fig. 1, to a larger scale than Fig. 1.

The rear vision mirror assembly comprises a substantially barrel shaped housing 1 adapted for being mounted on the body work 2 of a vehicle by means of a foot 3, the housing 1 engaging the foot 3 by means of a ball joint 7 so that it can be pivotally adjusted with respect to the foot 3. The end of the housing 1 which is intended to face the rear of the vehicle has an inwardly turned rim 31 which engages in an external grooves of a sealing ring 24 which has an S-shaped cross section. An internal groove of the sealing ring 24 serves for mounting a rear vision mirror 5, the internal groove being also engaged by an outwardly turned

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end flange 32 of a tubular sleeve 25 which extends within the housing 1.

The other end of the housing 1 is closed by a concavely shaped end wall so as to provide a reflector 22 for an electric bulb 10 forming part of a lamp assembly 6. The reflector 22 carries a lamp holder 30 which is connected to an electric supply cable 18. A sealing ring 17 of rectangular cross-section is provided which is seated on the housing 1 and surrounds the reflector 22, the sealing ring 17 being engaged by a rim of a transparent cap-like cover 14 of the lamp assembly 6.

At the inside of the housing 1, the reflector 22 is backed by a ring 26 having an external groove 33 which is engaged by an inwardly rolled end portion 34 of the sleeve 25 opposite to the end flange 32 thereof. Threaded bores are provided in the ring 26, which are inclined to the axis of the ring 26 and serve for receiving tensioning screws 9 which pass through the cover 14. When the screws 9 are tightened, the sealing rings 17 and 24 are compressed, the compression of the sealing ring 24 being limited by abutmeit of ring 26 against the reflector 22, and the cover 14 and also the mirror mounting member 4 constituted by the sealing ring 24 are firmly secured to the housing 1, the housing 1 then being adjustable in position relative to the vehicle by means of the ball joint 7.

WHAT I CLAIM IS:—

1. A rear vision mirror assembly for a vehicle, comprising a housing pivotably adjustable on a foot adapted for being mounted on the body of the vehicle, a rear vision mirror being provided at one end of the housing, an electric lamp assembly being provided at the other end of the housing for emitting light in a direction substantially opposite to the direction of rear view given by the mirror, the lamp assembly having a light-permeable cover connected by adjusting means to a member within the housing, the said member being connected to a mirror mounting member by means of which the mirror is provided at the said one end of the housing, the arrangement being such that tightening of the adjusting means effects clamping of the mirror mounting member against the said one end of the housing and simultaneously effects tightening of the light permeable cover against the other end of the housing.

2. A mirror assembly as claimed in claim 1, wherein the adjusting means comprise a plurality of screws extending through the light permeable cover and into the housing, the screws being in threaded engagement with the said member within the housing.

3. A mirror assembly as claimed in claim 1 or 2, wherein the said other end of the housing is a closed end having a concavely shaped portion forming a reflector for an electric bulb of the lamp assembly.

4. A mirror assembly as claimed in claims 1, 2 and 3, wherein a sealing member is provided between the light permeable cover and the said other end of the housing.

5. A mirror assembly as claimed in any one of claims 1 to 4, wherein the mirror mounting member comprises a sealing member extending between the mirror and the said one end of the housing.

6. A mirror assembly as claimed in claim 5, wherein the said sealing member is of S-shaped cross-section.

7. A mirror assembly as claimed in claim 5 or 6, wherein the said member within the housing is disposed in abutting engagement with a portion of the housing and carries a tubular member an end flange of which engages the sealing member.

8. A rear vision mirror assembly for a vehicle, constructed, arranged and adapted to operate substantially as hereinbefore described with reference to and as illustrated in the accompanying drawings.

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1020794 COMPLETE SPECIFICATION
1 SHEET
This drawing is a reproduction of the Original on a reduced scale

FIG1

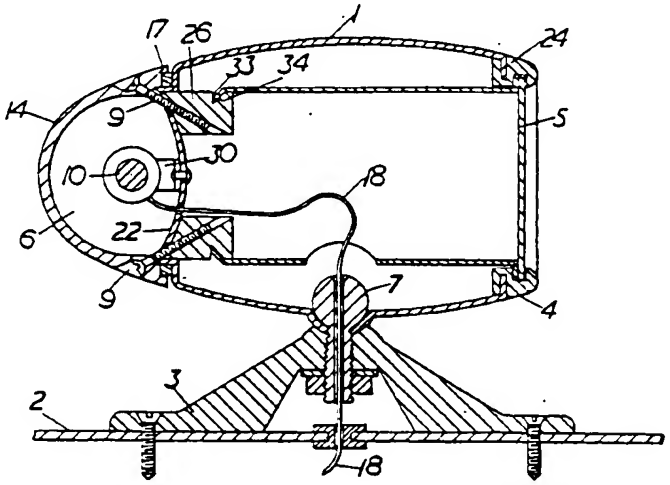

FIG2